

H5N1 Avian Influenza Outbreaks (updated: 4-26-11)

H5N1 affected countries	Region and Country	Total reported poultry outbreaks since Nov 03	Total reported wild bird outbreaks since Nov-03	Total reported human cases since Nov-03	Last reported bird outbreak or human case*	Total years H5N1 detected since 2003	Total months H5N1 detected since Jan 09**	Total months H5N1 detected since Nov- 03**
Near East								
1	Egypt^A	1824	0	143	Apr 11	6	28	63
1	Iran	1	1	0	Dec 07	2	0	2
1	Iraq	3	0	3	Feb 06	1	0	3
1	Israel	12	2	0	Apr 11	4	4	6
1	Jordan	1	0	0	Mar 06	1	0	1
1	Kuwait	20	1	0	Apr 07	2	0	3
1	Saudi Arabia	29	0	0	Jan 08	2	0	4
1	West Bank/Gaza	9	0	0	Feb 11	2	1	3
8	Near East subtotal	1,899	4	146	NA	2.5	4.1	10.6
South Asia								
1	Afghanistan	22	0	0	Mar 07	2	0	3
1	Bangladesh	511	0	3	Apr 11	5	16	34
1	Bhutan	5	0	0	Mar 10	1	2	2
1	India	86	0	0	Mar 11	6	7	17
1	Nepal	10	0	0	Oct 10	2	6	6
1	Pakistan	51	0	3	Jun 08	3	0	14
6	South Asia subtotal	685	0	6	NA	3.2	5.2	12.7
East/Southeast Asia								
1	Burma	106	0	1	Mar 11	4	5	15
1	Cambodia	25	0	15	Apr 11	8	7	21
1	China (incl. Hong Kong)	112	24	40	Mar 11	15	17	67
1	Indonesia^{AA}	9356	0	176	Apr 11	8	28	78
1	Japan	33	50	0	Mar 11	5	5	12
1	Laos	19	0	2	Apr 10	6	2	10
1	Malaysia	16	0	0	Jun 07	3	0	5
1	Mongolia	0	8	0	Apr 11	5	4	6
1	South Korea	111	5	0	Apr 11	7	6	17
1	Thailand	1141	0	25	Nov 08	6	0	26
1	Vietnam	2615	0	119	Apr 11	10	21	65
11	E/SE Asia subtotal	13,534	87	378	NA	7.0	8.6	29.3
Europe and Eurasia								
1	Albania	3	0	0	Mar 06	1	0	2
1	Austria	0	1	0	Feb 06	1	0	1
1	Azerbaijan	2	3	8	Mar 06	1	0	3
1	Bosnia/Herzegovina	0	1	0	Feb 06	1	0	1
1	Bulgaria	0	2	0	Mar 10	2	1	2
1	Croatia	0	9	0	Mar 06	2	0	3
1	Czech Republic	4	7	0	Jul 07	2	0	5
1	Denmark	1	26	0	May 06	1	0	3
1	France	1	42	0	Aug 07	2	0	6
1	Germany	8	426	0	Jan 09	4	1	11
1	Greece	0	15	0	Mar 06	1	0	3
1	Georgia	0	1	0	Feb 06	1	0	1

23 = last outbreak in 2006
 10 = last outbreak in 2007
 9 = last outbreak in 2008
 1 = last outbreak in 2009
 6 = last outbreak in 2010
 13 = last outbreak in 2011
 62 = total affected countries since 2003

average 3.0 median

12 = countries with wild bird outbreaks only
 50 = countries with poultry outbreaks^{AAA}
 62 = total affected countries

^{AAA} 15 of these have also had human cases

average 10.0 median

61.4 = average total months (2003-2011)
 with H5N1 detected for the 5 highly-
 affected countries (Bangladesh, China,
 Egypt, Indonesia, Vietnam)
 65.0 = median

5.4 = average total months (2003-2011)
 with H5N1 detected for other 57 H5N1-
 affected countries
 3.0 = median

average 17.0 median

86% = percent total reported **poultry**
 outbreaks since Nov 03 in the 5 highly-
 affected countries (Bangladesh, China,
 Egypt, Indonesia, Vietnam)^{***}
 97% = percent total in 2009-2011 only

87% = percent total reported **human** cases
 since Nov 03 in the 5 highly-affected

% total months affected since Jan 09	% total months affected since Nov 03	% total global poultry outbreaks since Nov 03	% total global human cases since Nov 03
100%	70%	11%	26%
0%	2%		
0%	3%		
14%	7%		
0%	1%		
0%	3%		
0%	4%		
4%	3%		
0%	3%		
57%	38%	3%	1%
7%	2%		
25%	19%		
21%	7%		
0%	16%		
18%	17%		
25%	23%		
61%	74%	1%	7%
100%	87%	56%	32%
18%	13%		
7%	11%		
0%	6%		
14%	7%		
21%	19%		
0%	29%	7%	5%
75%	72%	16%	22%
0%	2%		
0%	1%		
0%	3%		
0%	1%		
4%	2%		
0%	3%		
0%	6%		
0%	3%		
0%	7%		
4%	12%		
0%	3%		
0%	1%		

1	Hungary	9	2	0	Jan 07	2	0	3
1	Italy	0	14	0	Feb 06	1	0	1
1	Kazakhstan	1	1	0	Mar 06	2	0	1
1	Poland	10	14	0	Dec 07	2	0	5
1	Romania	165	7	0	Mar 10	4	1	8
1	Russia	149	6	0	Jun 10	6	3	13
1	Serbia/Montenegro	1	0	0	Mar 06	1	0	1
1	Slovakia	0	2	0	Mar 06	1	0	1
1	Slovenia	0	5	0	Feb 06	1	0	2
1	Spain	0	1	0	Jun 06	1	0	1
1	Sweden	1	5	0	Mar 06	1	0	2
1	Switzerland	0	10	0	Feb 08	2	0	3
1	Turkey	219	0	12	Mar 08	4	0	9
1	Ukraine	42	2	0	Feb 08	3	0	8
1	United Kingdom	3	3	0	Nov 07	2	0	4

27	Europe/Eurasia subtotal	619	605	20		1.9	0.2	3.8	average	3.0	median
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Sub-Saharan Africa								
1	Benin	6	0	0	Jul 08	2	0	3
1	Burkina Faso	4	0	0	Mar 06	1	0	1
1	Cameroon	1	0	0	Feb 06	1	0	1
1	Cote d'Ivoire	4	1	0	Jun 06	1	0	3
1	Djibouti	1	0	1	Apr 06	1	0	1
1	Ghana	6	0	0	Jun 07	1	0	3
1	Nigeria	65	0	1	Jul 08	3	0	7
1	Niger	2	0	0	Apr 06	1	0	2
1	Sudan	18	0	0	Sep 06	1	0	2
1	Togo	4	0	0	Sep 08	2	0	3

10	AFR subtotal	111	1	2		1.4	0.0	2.6	average	2.5	median
62	World total	16,848	697	552	NA	2.9	2.7	9.9	average	3.0	median

Avg for 5 most-affected countries	2,884	5	96		9	22	61
Avg for other 57 countries	43	12	1		2	1	5
Avg for all 62 countries	272	11	9		3	3	10

43	Developing countries@	16,616	80	552
		99%	11%	100%
19	Developed countries@@	232	617	0
		1%	89%	0%

countries (Bangladesh, China, Egypt, Indonesia, Vietnam)	0%	3%
96% = percent total in 2009-2011 only	0%	1%

34	= countries affected 1-3 months total	11%	14%
9	= countries affected 4-6 months total	0%	1%
7	= countries affected 7-12 months total	0%	1%
5	= countries affected 13-18 months total	0%	2%
1	= countries affected 19-24 months total	0%	1%
1	= countries affected 25-30 months total	0%	2%
5	= countries affected >30 months total	0%	3%
62	= Total affected countries since 2003	0%	10%

1%	2%
0%	9%
0%	4%

Poultry outbreaks by region since Nov 03			0%	3%
80%	= East/Southeast Asia		0%	1%
4%	= South Asia		0%	1%
11%	= Middle East		0%	3%
4%	= Europe and Eurasia		0%	1%
1%	= Sub-Saharan Africa		0%	3%

0%	3%
0%	1%
0%	1%
0%	3%
0%	1%
0%	3%
0%	8%
0%	2%
0%	2%
0%	3%

Data sources: OIE, Ministry of Agriculture/FAO (Egypt and Indonesia only), and WHO reports (number of wild bird outbreaks shown here may be lower than actual number reported).

^ Egypt declared H5N1 AI endemic in the country in Jun 2008 and stopped reporting H5N1 poultry outbreaks to OIE; Egypt poultry outbreak data also includes MoA reports since June 2008.

^^ Indonesia declared H5N1 AI endemic in the country in Sep 2006 and stopped reporting H5N1 poultry outbreaks (in endemic areas) to OIE; Indonesia data also includes MoA reports on sector 4 poultry outbreaks since Jan 2006.

* Based on the most recent occurrence of H5N1 infection in poultry, wild birds, or humans.

** Detected in poultry, wild birds, or humans. Also includes other data from FAO and GenBank.

*** Note: Indonesia data not complete; if an estimate is used for Indonesia (2006-2008) based on Egypt totals, the % of poultry outbreaks in the big 5 countries would be around 73% (and 97% in 2009-2010 only).

NA = not applicable

@ 2007 Gross National Income in Purchasing Power Parity per capita < (US\$) 15,000; source = 2008 World Population Data Sheet, Population Reference Bureau

@@ 2007 Gross National Income in Purchasing Power Parity per capita > (US\$) 15,000; source = 2008 World Population Data Sheet, Population Reference Bureau